## STANDARD MONITORING PLAN FOR SURFACE WATER SYSTEMS SERVING 3,301 - 9,999 PEOPLE Page 1 of 6 SECTION I: GENERAL INFORMATION A. Public Water System Information **B.** Date Submitted: **Public Water System ID** Number (PWSID): **System Name: System Address:** City, State, Zip Code: Population served by your system (Not the number of taps or service connections, or the population of the largest system in your Combined Distribution System): **System Type Source Water Type Buying/Selling Relationships** (Check One) (Check One) (Check all that apply) Community Surface Water or X $\boxtimes$ Water System Ground Water Purchase Water (Consecutive System) (CWS) Under the Direct Influence of Sell Water to other systems (Wholesale System) Non-Transient Surface Water Non-Community Neither Buy nor Sell Water System Ground Water (NTNCWS) C. PWS Operations **Residual Disinfectant Type** Chlorine Chloramines Other: Surface Water: Ground Water Under the Direct Influence of Surface Water: Number of Disinfected Ground Water: Sources Purchased Surface Water: Purchased Ground Water: **D.** Contact Person E-mail Address: **Phone No:** Cell No: Fax No: SECTION II: IDSE STANDARD MONITORING REQUIREMENTS A. Number of Sampling **B.** Schedule C. Standard Monitoring Frequency Sites

Total: **During Peak Historical Month** Schedule 1 (1 monitoring period) Near Entry Point: Schedule 2  $\boxtimes$ Every 90 days Average Residence Time: (4 monitoring periods) Schedule 3 High TTHM: Every 60 days Schedule 4 (6 monitoring periods) High HAA5:

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III. SELECTING STANDARD MONITORING SITES

A. Data Evaluated: Check all boxes corresponding to the data or information you used to select each type of Standard Monitoring site (Check all boxes that apply)

	Т	YPE OF SIT	Έ
Data or Information Used to Pick Your Sites	Average	High	High
Data of Information Osca to Fick Tour Sites	Residence	TTHM	HAA5
	Time Site	Site	Site
System Configuration	1		T
Pipe layout, locations of storage facilities			
Locations of sources and consecutive system entry points			
Pressure zones			
Information on population densities			
Locations of large customers			
Water Quality and Operational Data and Information	•		
Disinfectant residual data			
Stage 1 TTHM and HAA5 data			
Other TTHM and HAA5 data			
Coliform monitoring, Heterotrophic Plate Count (HPC)			
Tank level data, pump run times			
Customer billing records			
Advanced Tools			
Water distribution system model			
Tracer study			
mary of Data: Provide a summary description of the dat d Monitoring sites (or attach a separate sheet with your s		ation that yo	u used to p

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IV. JUSTIFICATION OF STANDARD MONITORING SITES

DESCRIBE HOW AND WHY YOU PICKED EACH SITE. YOUR SAMPLING SITE JUSTIFICATIONS ARE THE MOST IMPORTANT INFORMATION IN YOUR STANDARD MONITORING PLAN – BE AS SPECIFIC AS POSSIBLE (ATTACH ADDITIONAL SHEETS IF NECESSARY).

High TTHM Example: This site is in the southeastern portion of this system on a 6 inch line, before the last group of connections, near the end of the distribution system, and receives water from the Hometown Storage Tank. We believe this area has high water age, because of the relatively large pipe and low demand. Chlorine residuals during the summer months are low or non-detectable. (Additional examples are included in the Standard Monitoring Plan Attachment).

	Standard Monitoring Site Type and Site Justification						
Standard	(Check the box for site type and provide your justification for selecting the site)						
Monitoring Site ID (Use same ID to	Avg Res Time: Site which is representative of the average water age in the system						
identify these sites on your schematic)	High TTHM: Site where you would expect to find the highest TTHM levels						
	High HAA5: Site where you would expect to find the highest HAA5 levels						
SM-1	□ Near Entry Point   □ Avg Res Time   □ High TTHM   □ High HAA5						
SM-1 JUSTIFICATIO	ON:						
SM-2	☐ Near Entry Point ☐ Avg Res Time ☐ High TTHM ☐ High HAA5						
SM-2 JUSTIFICATION	ON:						
SM-3	☐ Near Entry Point ☐ Avg Res Time ☐ High TTHM ☐ High HAA5						
SM-3 JUSTIFICATION							
SM-4	☐ Near Entry Point ☐ Avg Res Time ☐ High TTHM ☐ High HAA5						
SM-4 JUSTIFICATION							
SWI TJOSIII ICAIIC							

NOTE: Make sure to use your Standard Monitoring Site IDs to label these monitoring locations on your distribution system schematic.

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SECTION V: PEAK HISTORICAL MONTH AND PROPOSED STANDARD MONITORING SCHEDULE

A. Peak Historical Month:								
Your peak historical month will usually be the month during which you consistently have the highest TTHM & HAA5 levels during normal operating conditions. If you do not have any TTHM/HAA5 data, your peak historical month would be the month of warmest water temperature.  B. Source Used to Determine Peak Historical Month:								
If you have more than one source, indicate the source that you used in determining your peak historical month. For example, if you have a surface source and a ground water source, and your highest TTHM values were associated with the surface source, you would indicate 'surface source'. If you only have one source, write N/A:  C. What did you determine your peak historical month based on:								
☐ High TTF	HM High HAA5 Month of Warmest Water Temperature							
If you used other information other than TTHM/HAA5 or water temperature to select your peak historical month, attach a sheet with an explanation of how and why you selected your Peak Historical Month.  D. Proposed Standard Monitoring Schedule  If your Peak Historical Month is July, Aug or Sept, use the STANDARD MONITORING DATES table below to select your Projected Sampling								
Standard Monitoring Site ID	oring							
	Projected Sampling Dates							
	Period 1		Period 2	Period	3	Period 4		
SM-1								
SM-2								
SM-3								
SM-4 SM-4								
5111-4								
STANDARD MONITORING DATES								
If your Peak Historical Month is: You must monitor during:								
	July	Apr 2009, July 2009, Oct 2009, Jan 2010						
Ţ .			May 2009, Aug 2009, Nov 2009, Feb 2010					
September June 2009, Sept 2009, Dec 2009, Mar 2010								
If your Peak Historical Month is not July, Aug or Sept, call/email U.S. EPA.								

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SECTION VI: PLANNED STAGE 1 TTHM/HAA5 COMPLIANCE MONITORING SCHEDULE

Stage 1 DBPR TTHM/HAA5 Monitoring Site ID	Projected Stage 1 DBPR TTHM/HAA5 Compliance Sampling Dates: This is the compliance monitoring you have been doing in accordance with State requirements. Enter the dates that you will be collecting your Stage 1 TTHM/HAA5 compliance samples for the State between April 1, 2009 and March 31, 2010.						
	Period 1	Period 2	Period 3	Period 4			
ST1-1							
ST1-2							
ST1-3							
ST1-4							
ST1-5							
ST1-6							
ST1-7							
ST1-8							

Make sure that your Stage 1 TTHM/HAA5 Compliance Monitoring Sites are marked on your distribution system schematic, using the IDs listed above.

IMPORTANT NOTE: IF YOU ARE CURRENTLY REQUIRED TO COLLECT THM/HAA5 COMPLIANCE SAMPLES, YOU MUST CONTINUE TO COLLECT THESE SAMPLES, IN ADDITION TO COLLECTING YOUR STANDARD MONITORING SAMPLES DURING THE TIMEFRAME SPECIFIED ABOVE OR YOU WILL INCUR COMPLIANCE MONITORING VIOLATIONS.

## SECTION VII: DISTRIBUTION SYSTEM SCHEMATIC

DISTRIBUTION SYSTEM SCHEMATICS ARE SUBJECT TO FREEDOM OF INFORMATION ACT REQUESTS, AND SHOULD NOT CONTAIN ANY INFORMATION THAT POSES A SECURITY RISK TO YOUR SYSTEM. A SKELETON OF THE DISTRIBUTION SYSTEM, INCLUDING THE INFORMATION BELOW, WITHOUT STREET NAMES, OR OTHER LOCATIONAL IDENTIFIERS IS SUFFICIENT:

- 1. All entry points to the distribution system
- 2. Locations of all Sources
- 3. Locations and capacity of all storage facilities
- 4. Locations of pumping stations
- 5. Locations of disinfectant booster stations
- 6. Pressure zone boundaries
- 7. Proposed Standard Monitoring Sites (labeled SM-1, SM-2, etc.)
- 8. Stage 1 TTHM/HAA5 Compliance Monitoring Sites (labeled ST1-1, ST1-2, etc.)

To avoid significant delays in processing your submittal, submit your distribution system schematic in electronic (PDF) format, if possible. If you submit a hardcopy of your schematic, use symbols and shapes (such as triangles, squares, and circles), instead of color coded dots, to mark locations on your map. Hardcopy schematics that are in color will be scanned into our system in black and white, so we will lose your color code designations.

STANDARD MONITORING PLAN FOR SURFACE WATER SYSTEMS SERVING 3,301 - 9,999 PEOPLE Page 6 of 6 SECTION VIII: ATTACHMENTS Check all of the boxes that apply. Please note that the distribution system schematic is a mandatory element of your Standard Monitoring Plan. Distribution system schematic Additional sheets for the summary of data and/or information used for selecting the Standard Monitoring sites (See Section III.B.) Additional sheets for Standard Monitoring Site Justifications (See Section IV.) Additional sheets for explaining how you used data other than TTHM, HAA5, and temperature to select your Peak Historical Month (See Section V.C.) Additional sheets for planned Stage 1 TTHM/HAA5 Compliance Monitoring (See Section VI.) Any other attachments - Please describe here: If you are submitting this Standard Monitoring Plan electronically, and are mailing some hardcopies separately, check this box, and please note what you are sending in hardcopy: Total Number of Pages you are submitting in your Standard Monitoring Plan (including attachments and schematic):